

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/040547

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01N33/68 G01N33/574

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, MEDLINE, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| A | <p>LONGLEY B J ET AL: "ACTIVATING AND DOMINANT INACTIVATING C-KIT CATALYTIC DOMAIN MUTATIONS IN DISTINCT CLINICAL FORMS OF HUMAN MASTOCYTOSIS" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 96, no. 4, February 1999 (1999-02), pages 1609-1614, XP009053122 ISSN: 0027-8424 the whole document</p> <p>-----</p> <p style="text-align: center;">-/--</p> | 1-28 |

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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Date of the actual completion of the international search

Date of mailing of the international search report

8 September 2005

15/09/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|----------|---|-----------------------|
| A | ASHMAN L K: "THE BIOLOGY OF STEM CELL FACTOR AND ITS RECEPTOR C-KIT" INTERNATIONAL JOURNAL OF BIOCHEMISTRY AND CELL BIOLOGY, EXETER, GB, vol. 31, no. 10, October 1999 (1999-10), pages 1037-1051, XP001040966 ISSN: 1357-2725 the whole document ----- | 1-28 |
| X | TRAXLER P ET AL: "Tyrosine kinase inhibitors: From rational design to clinical trials" 2001, MEDICINAL RESEARCH REVIEWS 2001 UNITED STATES, VOL. 21, NR. 6, PAGE(S) 499-512 , XP009012042 ISSN: 0198-6325 | 27 |
| A | ----- | 1-26, 28 |
| A | WO 02/10339 A (ORTHO-MCNEIL PHARMACEUTICALS) 7 February 2002 (2002-02-07) the whole document ----- | 1-28 |
| X | US 2002/068308 A1 (FRASER ET AL) 6 June 2002 (2002-06-06) the whole document ----- | 26 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

| |
|---|
| International Application No PCT/US2004/040547 |
|---|

| Patent document cited in search report | Publication date | Patent family member(s) | | Publication date |
|--|------------------|-------------------------|--|------------------|
| WO 0210339 | A 07-02-2002 | AU 9052301 A | | 13-02-2002 |
| | | EP 1307539 A2 | | 07-05-2003 |
| | | JP 2004520007 T | | 08-07-2004 |
| | | WO 0210339 A2 | | 07-02-2002 |
| | | US 2005100891 A1 | | 12-05-2005 |
| | | US 2003191048 A1 | | 09-10-2003 |
| US 2002068308 | A1 06-06-2002 | AU 1227701 A | | 08-05-2001 |
| | | CA 2388186 A1 | | 03-05-2001 |
| | | EP 1222460 A1 | | 17-07-2002 |
| | | WO 0131338 A1 | | 03-05-2001 |
| | | US 2002177179 A1 | | 28-11-2002 |